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1. **The Windows NT kernel architecture**
    Solomon, D.A.;
    Computer
    Volume 31, Issue 10, Oct. 1998 Page(s):40 - 47
    IEEE JNL

2. **The meta-policy information base**
    Polyrakis, A.; Boutaba, R.;
    Network, IEEE
    Volume 16, Issue 2, March-April 2002 Page(s):40 - 48
    IEEE JNL

3. **XML-extended OLAP querying**
    Pedersen, D.; Riis, K.; Pedersen, T.B.;
    Scientific and Statistical Database Management, 2002. Proceedings. 14th International Conference on
    24-26 July 2002 Page(s):195 - 206
    IEEE CNF

4. **Design and implementation of secured information services for the ASCI grid**
    Johnson, W.R.;
    High Performance Distributed Computing, 2002. HPDC-11 2002. Proceedings. 11th IEEE International Symposium on
    23-26 July 2002 Page(s):209 - 214
    IEEE CNF

5. **Context aggregation and dissemination in ubiquitous computing systems**
    Guanling Chen; Kotz, D.;
    Mobile Computing Systems and Applications, 2002. Proceedings Fourth IEEE Workshop on
    20-21 June 2002 Page(s):105 - 114
    IEEE CNF

6. **Secure active network prototypes**
    Murphy, S.L.; Lewis, E.T.; Watson, R.N.M.;
    DARPA Active NEtworks Conference and Exposition, 2002. Proceedings
    29-30 May 2002 Page(s):166 - 181
    IEEE CNF

7. **Active Names: flexible location and transport of wide-area resources**
    Vahdat, A.; Dahlin, M.; Anderson, T.; Aggarwal, A.;
    DARPA Active NEtworks Conference and Exposition, 2002. Proceedings
    29-30 May 2002 Page(s):291 - 304
    IEEE CNF

8. **Data exchange with the columbus schema for c++**
    Ferenc, R.; Beszedes, A.;
    Software Maintenance and Reengineering, 2002. Proceedings. Sixth European Conference on
    11-13 March 2002 Page(s):59 - 66
    IEEE CNF

9. **An adaptive MP3 player: reducing power consumption and increasing application performance**
    Kunz, T.; Omar, S.;
    System Sciences, 2002. HICSS. Proceedings of the 35th Annual Hawaii International Conference on
    7-10 Jan 2002 Page(s):3811 - 3820
    IEEE CNF

10. **An object-oriented Realtime Framework for distributed control systems**
    Traub, A.; Schraft, R.D.;
    Robotics and Automation, 1999. Proceedings. 1999 IEEE International Conference on
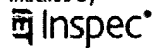   Volume 4, 10-15 May 1999 Page(s):3115 - 3121 vol.4
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1.   **Internet access to a home area network**
     Saif, U.; Gordon, D.; Greaves, D.;
     Internet Computing, IEEE
     Volume 5, Issue 1, Jan.-Feb. 2001 Page(s):54 - 63

     IEEE JNL

2.   **Modular system building with Java™ packages**
     Jordan, M.; Van De Vanter, M.L.;
     Software Engineering Environments, Eighth Conference on
     8-9 April 1997 Page(s):155 - 163

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1 The open archives initiative: building a low-barrier interoperability framework   ■

Carl Lagoze, Herbert Van de Sompel
January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**
Publisher: ACM Press

Full text available: 📄 pdf(356.96 KB)   Additional Information: full citation, abstract, references, citings, index terms

The Open Archives Initiative (OAI) develops and promotes interoperabil ity solutions that aim to facilitate the efficient dissemination of content. The roots of the OAI lie in the E-Print community. Over the last year its focus has been extended to include all content providers. This paper describes the recent history of the OAI - its origins in promoting E-Prints, the broadening of its focus, the details of its technical standard for metadata harvesting, the applications of this standard, ...

Keywords: digital libraries, interoperability, metadata, protocols

2 WREN---an environment for component-based development   ■

Chris Lüer, David S. Rosenblum
September 2001 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 8th European software engineering conference held jointly with 9th ACM SIGSOFT international symposium on Foundations of software engineering ESEC/FSE-9**, Volume 26 Issue 5
Publisher: ACM Press

Full text available: 📄 pdf(590.37 KB)   Additional Information: full citation, abstract, references, citings, index terms

Prior research in software environments focused on three important problems---tool integration, artifact management, and process guidance. The context for that research, and hence the orientation of the resulting environments, was a traditional model of development in which an application is developed completely from scratch by a single organization. A notable characteristic of component-based development is its emphasis on integrating independently developed components produced by multiple orga ...

Keywords: Java, Java Beans, component-based software engineering, software components, software environments

3 Posties: a WebDAV application for collaborative work

Joachim Feise

May 2000 **Proceedings of the eleventh ACM on Hypertext and hypermedia**

Publisher: ACM Press

Full text available: pdf(82.33 KB)   Additional Information: full citation, references, citings, index terms

Keywords: WWW, WebDAV

4 Separating key management from file system security

David Mazières, Michael Kaminsky, M. Frans Kaashoek, Emmett Witchel

December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP '99**, Volume 33 Issue 5

Publisher: ACM Press

Full text available: pdf(1.77 MB)   Additional Information: full citation, abstract, references, citings, index terms

No secure network file system has ever grown to span the Internet. Existing systems all lack adequate key management for security at a global scale. Given the diversity of the Internet, any particular mechanism a file system employs to manage keys will fail to support many types of use.We propose separating key management from file system security, letting the world share a single global file system no matter how individuals manage keys. We present SFS, a secure file system that avoids internal ...

5 Project ANGEL: an open virtual learning envoronment with sophisticated access management

John MacColl

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(105.13 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes a new project funded in the UK by the Joint Infor mation Systems Committee, to develop a virtual learning environment which combines a new awareness of internet sources such as bibliographic databases and full-text electronic journals with a sophisticated access management component which permits single sign-on authentication.

Keywords: access management, authentication, virtual learning environments

6 A new model of security for distributed systems

Wm A. Wulf, Chenxi Wang, Darrell Kienzle

September 1996 **Proceedings of the 1996 workshop on New security paradigms**

Publisher: ACM Press

Full text available: pdf(1.10 MB)   Additional Information: full citation, references, citings, index terms

7 SIGda '96, workshop: how do we expedite the commercial use of Ada?

Robert C. Leif

March 1999 **ACM SIGAda Ada Letters**, Volume XIX Issue 1

Publisher: ACM Press

Full text available: 📄 pdf(858.93 KB)   Additional Information: <u>full citation</u>, <u>citings</u>, <u>index terms</u>

8 <u>CORBA: a platform for distributed object computing</u>

Zhonghua Yang, Keith Duddy

April 1996 **ACM SIGOPS Operating Systems Review**, Volume 30 Issue 2

Publisher: ACM Press

Full text available: 📄 pdf(1.68 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>citings</u>, <u>index terms</u>

9 <u>Introducing A+: ... a new APL system!</u>

Jon McGrew, John Mizel, Brian Redman

September 2000 **ACM SIGAPL APL Quote Quad**, Volume 31 Issue 1

Publisher: ACM Press

Full text available: 📄 pdf(392.55 KB)   Additional Information: <u>full citation</u>, <u>index terms</u>

10 <u>File-system development with stackable layers</u>

John S. Heidemann, Gerald J. Popek

February 1994 **ACM Transactions on Computer Systems (TOCS)**, Volume 12 Issue 1

Publisher: ACM Press

Full text available: 📄 pdf(2.16 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

Filing services have experienced a number of innovations in recent years, but many of these promising ideas have failed to enter into broad use. One reason is that current filing environments present several barriers to new development. For example, file systems today typically stand alone instead of building on the work of others, and support of new filing services often requires changes that invalidate existing work. Stackable file-system design addresses these issues in severa ...

Keywords: composability, file system design, operating system structure, reuse

11 <u>Iterative development and commercial tools in an undergraduate software engineering course</u>

Mark J. Sebern

March 1997 **ACM SIGCSE Bulletin , Proceedings of the twenty-eighth SIGCSE technical symposium on Computer science education SIGCSE '97**, Volume 29 Issue 1

Publisher: ACM Press

Full text available: 📄 pdf(533.08 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Many undergraduate software engineering courses combine team projects with discussion of development cycle concepts. It can be difficult to connect these elements in a coherent way, especially when the lecture is a broad survey and the project is sharply focused on meeting the needs of a client.This paper describes one attempt to bridge this gap, by incorporating the iterative development of a classroom example and an object-oriented process based on two commercial software tools. Although the c ...

12 <u>NSF workshop on industrial/academic cooperation in database systems</u>

Mike Carey, Len Seligman

March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(1.96 MB)   Additional Information: full citation, index terms

13 Whither object orientation? What is object orientation, anyway?
Walter G. Fil
December 1999 **ACM SIGAPL APL Quote Quad**, Volume 30 Issue 2
Publisher: ACM Press
Full text available: 📄 pdf(400.01 KB)   Additional Information: full citation, index terms

14 Position paper for workshop on "making distributed systems work"
T. E. Gray
September 1986 **Proceedings of the 2nd workshop on Making distributed systems work**
Publisher: ACM Press
Full text available: 📄 pdf(274.48 KB)   Additional Information: full citation, citings

15 Adapting globus and kerberos for a secure ASCI grid
Patrick C. Moore, Wilbur R. Johnson, Richard J. Detry
November 2001 **Proceedings of the 2001 ACM/IEEE conference on Supercomputing (CDROM)**
Publisher: ACM Press
Full text available: 📄 pdf(143.26 KB)   Additional Information: full citation, abstract, references, index terms

> Porting a complex secure application from one security infrastructure to another is often difficult or impractical. Grid security associated with the Globus toolkit is supported by a Grid Security Infrastructure (GSI) based on a Public Key Infrastructure where users authenticate to the grid using X509 certificates. Kerberos security is based on a trusted third party, secret key infrastructure where users authenticate using encrypted tickets. However, both GSI and Kerberos provide a Generic Secur ...

> **Keywords:** ASCI, GSSAPI, globus, grid, kerberos, security

16 Semistructured Data: XOO7: applying OO7 benchmark to XML query processing tool
Ying Guang Li, Stéphane Bressan, Gillian Dobbie, Zoé Lacroix, Mong Li Lee, Ullas Nambiar, Bimlesh Wadhwa
October 2001 **Proceedings of the tenth international conference on Information and knowledge management**
Publisher: ACM Press
Full text available: 📄 pdf(1.41 MB)   Additional Information: full citation, abstract, references, citings, index terms

> If XML is to play the critical role of the lingua franca for Internet data interchange that many predict, it is necessary to start designing and adopting benchmarks allowing the comparative performance analysis of the tools being developed and proposed. The effectiveness of existing XML query languages has been studied by many, with a focus on the comparison of linguistic features, implicitly reflecting the fact that most XML tools exist only on paper. In this paper, with a focus on efficiency a ...

> **Keywords:** XML aware database, XML benchmarks, XML management systems, XOO7,

native-XML database

17 Making sense of software engineering environment framework standards ▭
Barbara Cuthill
December 1994 **StandardView,** Volume 2 Issue 4
Publisher: ACM Press
Full text available: 📄 pdf(1.67 MB) · Additional Information: full citation, references, index terms

18 Windows 2000 deployment overview at the University of Colorado at Boulder ▭
David Bodnar, Brad Judy, Al Roberts
October 2000 **Proceedings of the 28th annual ACM SIGUCCS conference on User
services: Building the future**
Publisher: ACM Press
Full text available: 📄 pdf(160.03 KB) Additional Information: full citation, index terms

Keywords: Windows 2000, deployment, organizational issues, planning, policitcal issues,
strategic goals

19 Book Review: Practical Programming in Tcl and Tk ▭
John McLaughlin
April 1998 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.
Full text available: 📄 html(6.07 KB) Additional Information: full citation, index terms

20 Technological advances in software engineering ▭
A. N. Habermann
February 1986 **Proceedings of the 1986 ACM fourteenth annual conference on
Computer science**
Publisher: ACM Press
Full text available: 📄 pdf(1.05 MB) Additional Information: full citation, references

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21 Object lessons learned from a distributed system for remote building monitoring and operation

Frank Olken, Hans-Arno Jacobsen, Chuck McParland, Mary Ann Piette, Mary F. Anderson
October 1998 **ACM SIGPLAN Notices , Proceedings of the 13th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '98**, Volume 33 Issue 10
Publisher: ACM Press

Full text available: 📄 pdf(1.54 MB)

Additional Information: full citation, abstract, references, citings, index terms

In this paper we describe our experiences with the design, the deployment, and the initial operation of a distributed system for the remote monitoring and operation of multiple heterogeneous commercial buildings across the Internet from a single control center. Such systems can significantly reduce building energy usage.Our system is distinguished by its ability to interface to multiple heterogeneous legacy building Energy Management Control Systems (EMCSs), its use of the Common Object Request ...

22 Protocol service decomposition for high-performance networking

Chris Maeda, Brian N. Bershad
December 1993 **ACM SIGOPS Operating Systems Review , Proceedings of the fourteenth ACM symposium on Operating systems principles SOSP '93**, Volume 27 Issue 5
Publisher: ACM Press

Full text available: 📄 pdf(1.22 MB)

Additional Information: full citation, abstract, references, citings, index terms

In this paper we describe a new approach to implementing network protocols that enables them to have high performance and high flexibility, while retaining complete conformity to existing application programming interfaces. The key insight behind our work is that an application's interface to the network is distinct and separable from its interface to the operating system. We have separated these interfaces for two protocol implementations, TCP/IP and UDP/IP, running on the Mach 3.0 operating sy ...

23 SCONE: using concurrent objects for low-level operating system programming

Jun-ichiro Itoh, Yasuhiko Yokote, Mario Tokoro
October 1995 **ACM SIGPLAN Notices , Proceedings of the tenth annual conference on Object-oriented programming systems, languages, and applications OOPSLA '95**, Volume 30 Issue 10

Publisher: ACM Press

Full text available: 🔲 pdf(1.66 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper proposes a methodology for making low-level system code of operating systems be replaceable at runtime. Our approach is to use concurrent objects as a basic programming unit for low-level system programs. To realize the different need for each type of system code and to execute these concurrent objects sufficiently efficient, we use a combination of dedicated system service layers and other implementation techniques. System service layers provide the most suitable primitive operations ...

24 Contigra: an XML-based architecture for component-oriented 3D applications

Raimund Dachselt, Michael Hinz, Klaus Meißner

February 2002 **Proceeding of the seventh international conference on 3D Web technology**

Publisher: ACM Press

Full text available: 🔲 pdf(368.21 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Even though numerous Web3D technologies exist, most of them do not support a high-level, multi-disciplinary authoring process. Moreover, concepts of reuse are rarely provided. A component-based approach is introduced with the CONTIGRA architecture to construct interactive, three-dimensional applications, either stand-alone or web-based. The approach is entirely based on declarative XML documents describing the component implementation, its interface, as well as component configuration and compo ...

Keywords: 3D components, 3D user interfaces, 3D widgets, XML schema, component-based development, contigra, extensible 3D (X3D), virtual environments

25 OpenMath support under CSL-hosted REDUCE

Arrigo Triulzi

June 2000 **ACM SIGSAM Bulletin**, Volume 34 Issue 2

Publisher: ACM Press

Full text available: 🔲 pdf(402.64 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

OpenMath is a standard for representing mathematical objects. This paper describes an attempt to include OpenMath support into the computer algebra system REDUCE. This support is limited to the version based upon Cambridge Standard Lisp and is based upon the OpenMath C Library developed under Esprit project 24.969. The rationale for this effort was to avoid having to rewrite substantial amounts of code due to changes in the OpenMath standard but instead relying on the underlying C Libra ...

26 Y2K and APL—an overview

Clement Kent

September 1998 **ACM SIGAPL APL Quote Quad**, Volume 29 Issue 1

Publisher: ACM Press

Full text available: 🔲 pdf(898.87 KB)   Additional Information: <u>full citation</u>, <u>index terms</u>

27 Accelerating telnet performance in wireless networks

Barron Housel, Ian Shields

August 1999 **Proceedings of the 1st ACM international workshop on Data engineering for wireless and mobile access**

Publisher: ACM Press

Full text available: 🔲 pdf(933.49 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

Keywords: caching, compression, data reduction, emulation, mobile, sessions, telnet, wireless

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